Teacher Answer Key

Case Study

1. They must form shells quickly, but carbonate availability is too low in acidic waters.

2. It demonstrates how declining water quality can directly threaten jobs and food supplies.

Multiple Choice

1. A

2. D

3. C

Matching

1-E, 2-C, 3-D, 4-B, 5-A

Fill-in-the-Blank

1) Carbon dioxide, 2) Calcium, 3) Carbon

Short Answer (Sample Responses)

Q1: Acidification can impair their ability to sense predators, prey, and habitats.

Q2: Reefs provide biodiversity, fisheries, and storm protection, making them ecologically and economically vital.

Q3: Fewer plankton and corals absorb carbon, leaving more CO_2 in the atmosphere and intensifying warming.